

**WHAT IS CLAIMED IS:**

- 1           1.     A handheld computer, comprising:  
2                 a housing,  
3                 a display supported by the housing;  
4                 computing electronics supported by the housing and  
5     configured to communicate with the display; and  
6                 an integrated input device configured to provide input to the  
7     handheld computer, the input device providing different input signals to  
8     the computing electronics dependent on a directional movement provided  
9     by a user, the input device configured to communicate more than four  
10    distinct directional movements from a user to the computing electronics.
- 1           2.     The handheld computer of claim 1, wherein the integrated  
2     input device is a pad.
- 1           3.     The handheld computer of claim 1, wherein the integrated  
2     input device is a button.
- 1           4.     The handheld computer of claim 1, wherein the integrated input  
2     device includes a receptacle for coupling a graspable portion thereto.
- 1           5.     The handheld computer of claim 4, wherein the display is a  
2     touch screen configured to be used with a stylus.
- 1           6.     The handheld computer of claim 5, wherein at least a portion of  
2     the stylus is configured to be coupled to the integrated input device.
- 1           7.     The handheld computer of claim 6, wherein a first portion of the  
2     stylus is configured to be unscrewed from a second portion of the stylus and  
3     the first portion of the stylus is configured to be screwed into the receptacle.

1           8.     The handheld computer of claim 6, wherein a first portion of  
2     the stylus is configured to be unsnapped from a second portion of the  
3     stylus and the first portion of the stylus is configured to be snapped into  
4     the receptacle.

1           9.     A joystick device for a handheld computer, the handheld  
2     computer configured to be used with a stylus, comprising:  
3                 an input device integrated into the handheld computer;  
4                 a coupler integrated into the input device configured to  
5     couple at least a portion of the stylus to the input device.

1           10.    The joystick device of claim 9, wherein the stylus has at  
2     least two sections a first section being configured to be coupled to a  
3     second section by a screw thread.

1           11.    The joystick device of claim 9, wherein the coupler includes  
2     a screw thread.

1           12.    The joystick of claim 9, wherein the input device is configured to  
2     communicate a directional input by a user in four discrete directions.

1           13.    The joystick of claim 9, wherein the input device is configured to  
2     communicate a directional input by a user in eight discrete directions.

1           14.    The joystick of claim 9, wherein the input device is configured to  
2     communicate a directional input by a user in more than eight discrete  
3     directions.

1           15.    The joystick of claim 9, wherein the input device is configured to  
2     communicate a directional input by a user in a continuum of directions.

1           16.    The joystick of claim 9, wherein the input device is a joypad.

1           17. A handheld computer, comprising:  
2           a housing;  
3           data processing electronics disposed within the housing;  
4           a display disposed in the housing and coupled to the data  
5 processing electronics, the display including a touch screen configured to  
6 be used with a stylus;  
7           a joypad coupled to the data processing electronics and  
8 configured to communicate signals to the data processing electronics  
9 dependent on the direction in which the joypad is moved, the joypad  
10 being movably integrated into the housing; and  
11           a joystick coupler integrated into the joypad, the joypad  
12 coupler configured to receive at least a portion of the stylus which is  
13 configured to act as a joystick.

1           18. The handheld computer of claim 17, wherein the joystick  
2 coupler includes a screw thread.

1           19. The handheld computer of claim 17, wherein the joystick coupler  
2 includes a flexible fitting.

1           20. The handheld computer of claim 17, wherein the joypad is  
2 configured to communicate signals corresponding to eight discrete directional  
3 user inputs.

1           21. A method of assembling a joystick for a handheld computer,  
2 comprising:  
3           providing a handheld computer with a joystick receptacle;  
4           providing a stylus having a detachable portion;  
5           detaching a detachable portion from the stylus; and  
6           coupling the detachable portion to the receptacle.

1           22.    The method of claim 21, wherein the joystick receptacle is part  
2   of a joypad integrated into the handheld computer.

1           23.    The method of claim 21, wherein the receptacle includes a  
2   screw thread.

1           24.    The method of claim 21, wherein the detachable portion is  
2   the stylus tip.